

In re Patent Application of
NORDSTROM ET AL.
Serial No. 09/555,816
Filed: OCTOBER 10, 2000

In the Specification:

Please amend the paragraph beginning at page 2, line 18 as follows:

B1
--According to a second aspect of the present invention, there is provided a data descrambler, for use in a multi-carrier transmission system in which synchronization frame data is periodically transmitted from a transmitter to a receiver to measure transmission channel characteristics, and transmitted data is scrambled using a data scrambler as ~~claimed in any of claims 1 to 4~~, characterized in that combiner means are provided to combine received data with frame synchronization data.--


Please amend the paragraph beginning at page 3, line 20 as follows:

B2
--User data maybe combined with frame synchronization data ~~by means of~~ via an XOR function.--

Please amend the paragraph beginning at page 5, line 24 as follows:

B3
--The scrambled data is then passed to the ~~receiver~~ transmitter where it is first processed by an Inverse Fast Fourier Transform unit, IFFT, converted from parallel form to serial form, passed to a digital to analogue converter, D/A,

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prior to QAM modulation and transmission over the channel.
Details of the multiplexing techniques and modulation
techniques used in multi-carrier transmission systems will be
familiar to those skilled in the art and are not described in
detail in this patent specification.--
